

20051224.ba v03_n872.bam.20051224

>From ???@??? Sat Dec 24 08:01:17 2005 -0600
Date: Sat, 24 Dec 2005 14:00:37 GMT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3872
Message-Id: <20051224135933.06C61408E3@srvr1.theporch.com>

BOATANCHORS Digest 3872

Topics covered in this issue include:

- 1) Re: Fw: find the bulb...
by stuck in 50s <polepeeg@ba-watch.org>
- 2) Re: cheap Chinese tubes & more
by chuck grandgent <chuck@chuckg.com>
- 3) Anniversary and old tickets...
by "Herbert M. Rosenthal" <herbrose@comcast.net>
- 4) Re: cheap Chinese tubes & more
by David Stinson <arc5@ix.netcom.com>
- 5) Newbie question from and OF
by Dan wright <dw73454@alltel.net>
- 6) Season's greetings..
by "Sandy, W5TVW" <ebjr@i-55.com>
- 7) Re: Newbie question from and OF
by W7QH0@aol.com
- 8) RE: Newbie question from and OF
by "Comarow, Avery" <ACOMAROW@usnews.com>
- 9) Re: Newbie question from and OF
by "Tom Rauch" <w8ji@contesting.com>
- 10) RE: Newbie question from and OF
by Dan wright <dw73454@alltel.net>
- 11) Re: Newbie question from and OF
by "Brian Clarke" <brianclarke01@optusnet.com.au>
- 12) Re: cheap Chinese tubes & more
by "Arden Allen" <gumbear@pacbell.net>
- 13) Re: Newbie question from and OF
by "Arden Allen" <gumbear@pacbell.net>
- 14) Re: BOATANCHORS#3871 - Finding the Bulb
by Phil Barnes-Roberts WA6DZS <pbarnrob@acm.org>
- 15) RE: find the bulb...
by "Dr. Barry L. Ornitz" <ornitz@charter.net>
- 16) Question about caps....and GREAT responses!!
by Dan wright <dw73454@alltel.net>
- 17) Re: find the bulb...
by Raymond C0te <rjcote@hawaii.rr.com>
- 18) RE: Question about caps....and GREAT responses!!

by "Comarow, Avery" <ACOMAROW@usnews.com>

Date: Fri, 23 Dec 2005 09:48:05 -0500 (EST)
From: stuck in 50s <polepeeg@ba-watch.org>
Message-Id: <200512231448.jBNEm5DU027789@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Fw: find the bulb...

As they say in light-string producing countries

D'OH!!

See

<http://www.ciphersbyritter.com/RADELECT/LITES/LITESHOT.HTM>

You put ur fono pin plug next to each bulb COMING FROM 'HOT' END
& THE HUM STOPS WITH THE OPEN CRITTER

Yes Andre, it works with 2 blubs. or three, or more. New test pass
needed for each blub.

Tom & gumbear. Ur floating diff-amp may be what Terry Ritter describes
as the 'elegant method.'

Just fished a couple of strings but missed one. Had cut off bad 50 &
fixed new plug in place. See sword of damocles method of light-string
maintenance

Merry Y'all

Marty

(for those that require specmanship with method, I used a Bell 2122-A amp &
some \$h!tty dang iron GI speaker - LS24 I think. Don't know who made
rca-to-rca patch cord)

Date: Fri, 23 Dec 2005 09:57:31 -0500
From: chuck grandgent <chuck@chuckg.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: cheap Chinese tubes & more
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Message-Id: <20051223145729.KWYC12342.ispmxmta09-srv.alltel.net@octave-mcmsbb3d>

fascinating, thanks for the link.

of course we all remember in the 50's and early 60's when "made in Japan" was synonymous with "junk". certainly not the case anymore, as far as Japan stuff goes.

I still am very fond of the expression "it came apart faster than a chinese motorcycle" when referring to shoddy stuff. The Chinese stuff may get better in time.

Chuck, K10M

"James C. Garland" <4cx250b@muohio.edu> wrote:

>

> Gang,

> Among the zillion spam msgs I get daily was one yesterday from a
> Chinese outfit that sells boatanchor-type electronic components. Out
> of curiosity I checked their website (<http://www.mablexporting.cn/>)
> and found cheap transformers, resistors, electrolytic caps, switches
> and vacuum tubes. Their transformers seem like drop-in replacements
> for many BA applications. They'll sell you a new 811A for \$6.80, and
> you can plug it into one of their gold-plated tube sockets. I know
> you get what you pay for, but the pix are sure pretty.

> 73,

> Jim W8ZR

>

>

>

>

> *****

> W8ZR Amateur Radio Website: www.w8zr.net

> *****

Message-ID: <43AC1367.8010609@comcast.net>

Date: Fri, 23 Dec 2005 08:10:31 -0700

From: "Herbert M. Rosenthal" <herbrose@comcast.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Anniversary and old tickets...

Content-Type: text/plain; charset=ISO-8859-1; format=flowed

Content-Transfer-Encoding: 7bit

Merry Christmas, Happy Hannukah, Kwanza, or whatever you prefer, to all!

I have a frame on the wall with my old tickets-16 of them, and the first one is dated April 1946 (W2PIV, Syracuse, age 16, with the one xtal I owned on 3742kc and a BC-312*).

Inside the frame are several First Fones with mostly BC endorsements. The one most cherished is from WAER, a 2 1/2 watt FM station (GE exciter) at Syracuse University 1947-50; believe this is now a 50kw station.

I have these older tickets because the Federal Candy Company stamped some of them "CANCELED" or "CANCELLED" and returned them to me. The last one I have stamped is dated 1958. BTW, the dictionary allows either spelling, with the single 'L' preferred.

All the tickets I held have no real significance or record-many of you may have more. But they did come from a wonderful, exciting, adventurous AF career, wherein 2 or 3 years at one assignment was all you could expect; 4 years was a lifetime (some of you are grinning now).

So I guess that's 59 years licensed for me, mostly on cw, and I can't think of another hobby I'd trade one minute for. Leather tooling, ceramics, matchbook collecting... phooey!

Yes, I guess this is reminiscing, nay horn-tooting, but, hey, 'tis the Season.

Your turn,

Herb W5AN
Albuquerque

* with every mod that CQ and QST ever published, including a 6AK5 in the front end...

Date: Fri, 23 Dec 2005 09:26:56 -0600
From: David Stinson <arc5@ix.netcom.com>
Subject: Re: cheap Chinese tubes & more
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id: <43AC1740.90108@ix.netcom.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7bit

A word to the wise:

Never use your main checking account or a high-limit credit card to order anything from overseas. I recently got ripped by an Italian for a huge amount. I contacted the Italian Justice department, even his local authorities. I had proof positive,

plus his real name, address, contact information.
even an email with a *written confession* of what
he'd done, etc.

I gave all this to the authorities.

Nothing was done, nor will anything be done.

The only satisfaction I got was that a friend helped
me curse him out in Italian.

(p.s. the guy's email is teorapper@virgilio.it

his name is Matteo Cattaneo and his Ebay id is argon983

Ebay handed it over to their *Italian* branch,

which did exactly nothing with it. Big surprise.

Now, I have a "temporary" debit card account.

When I want to buy anything like this, I transfer
just enough money into that account to take care of
the transaction. If anyone gets "froggy" with
that account, the loss would be slim to none
and it's easy as pie to change the number.

73 Dave S.

Message-Id: <6.2.3.4.0.20051223152943.01b81d48@mail.alltel.net>

Date: Fri, 23 Dec 2005 15:36:02 -0600

To: Old Tube Radios <boatanchors@theporch.com>

From: Dan wright <dw73454@alltel.net>

Subject: Newbie question from and OF

Mime-Version: 1.0

Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain; charset=iso-8859-1; format=flowed; x-avg-checked=avg-
ok-54F745EE

Greetings!

Ok...here goes....

I been in this hobby for a long time, but I seem to be stumped,
or else stoopid....

I am trying to do an audio mod on my EFJ Ranger. It calls for
a few 20 mfd 400v caps. Ok....I can't find any 20mfd 400v caps
that aren't electrolytics.

The original parts are C51,55, and 71, and they are paper tubular
caps. Can I use electrolytics in their place?

Or....where the heck in this day and age do I get 20 mfd,

400v tubular axial lead capacitors.....and don't say "Mouser",
because they don't have any!

If I can use electrolytics (watching the polarity of course) in place
of "paper tubulars" I'll do it....

thanks es

73 de Dan -- WA=D8JRD ..

Message-ID: <00a501c60815\$55241000\$d2a0cdd1@s0023531634>

From: "Sandy, W5TVW" <ebjr@i-55.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Season's greetings..

Date: Fri, 23 Dec 2005 17:05:11 -0600

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Ho-Ho HO!!! (And all that stuff!)

Merry Christmas and Happy New Year to all you guys and gals out there!

{Or, as we used to say back in the "hip" 50's:

Have a Cool Yule and a FRANTIC First!

73,

Sandy W5TVW

From: W7QH0@aol.com

Message-ID: <2a0.2bbc651.30ddf311@aol.com>

Date: Fri, 23 Dec 2005 19:40:49 EST

Subject: Re: Newbie question from and OF

To: Old Tube Radios <boatanchors@theporch.com>

MIME-Version: 1.0

Content-Type: multipart/alternative;
boundary="part1_2a0.2bbc651.30ddf311_boundary"

--part1_2a0.2bbc651.30ddf311_boundary

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 12/23/05 1:37:46 PM, dw73454@alltel.net writes:

> I am trying to do an audio mod on my EFJ Ranger. It calls for
> a few 20 mfd 400v caps. Ok....I can't find any 20mfd 400v caps
> that aren't electrolytics.
>
>

Dan,

Don't know what kind of a mod you're doing but can't imagine that anything
other than electrolytics would be called for in that capacitance and voltage
range.

Dennis D. W7QHO
Glendale, CA

--part1_2a0.2bbc651.30ddf311_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
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*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

--part1_2a0.2bbc651.30ddf311_boundary--

Content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: multipart/alternative;
 boundary="----_=_NextPart_001_01C60825.594745F1"
Subject: RE: Newbie question from and OF
Date: Fri, 23 Dec 2005 19:59:53 -0500
Message-ID: <5DB55C95EDBFFA4383CE672594D7E0D201984CE2@EXCHANGE.usn.root.ent>
From: "Comarow, Avery" <ACOMAROW@usnews.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Boatanchors" <boatanchors@theporch.com>

This is a multi-part message in MIME format.

-----_=_NextPart_001_01C60825.594745F1
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Dan,

=20

No such thing as a stupid question.

=20

I just last week shipped my Ranger, so I don't have the manual and can't =
check the parts list or schematic, but I don't believe there's anything =
in the original audio section like a 20 mfd paper cap, and I can't =
imagine a mod that would call for that. Check to be sure that it's not =
2.0 mfd (which would still be pretty big for 400V paper caps) or 0.20 =
mfd.

=20

If it is indeed 20 mfd, it sounds like a screen bypass or some other cap =
in the B+ line, and an electrolytic would be fine.

=20

Keep us posted, or maybe a Ranger owner will weigh in.

=20

Best,

=20

Avery W3AVE

Potomac, Md.

From: owner-boatanchors@theporch.com on behalf of Dan wright

Sent: Fri 12/23/2005 4:36 PM

To: Old Tube Radios

Subject: Newbie question from and OF

Greetings!

Ok...here goes....

I been in this hobby for a long time, but I seem to be stumped,
or else stoopid....

I am trying to do an audio mod on my EFJ Ranger. It calls for
a few 20 mfd 400v caps. Ok....I can't find any 20mfd 400v caps
that aren't electrolytics.

The original parts are C51,55, and 71, and they are paper tubular
caps. Can I use electrolytics in their place?

Or....where the heck in this day and age do I get 20 mfd,
400v tubular axial lead capacitors.....and don't say "Mouser",
because they don't have any!

If I can use electrolytics (watching the polarity of course) in place
of "paper tubulars" I'll do it....

thanks es
73 de Dan -- WA=D8JRD ..

-----=_NextPart_001_01C60825.594745F1
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

-----=_NextPart_001_01C60825.594745F1--

Message-ID: <00b401c60827\$90bd2720\$6501a8c0@akorn.net>
From: "Tom Rauch" <w8ji@contesting.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Newbie question from and OF
Date: Fri, 23 Dec 2005 20:15:43 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am trying to do an audio mod on my EFJ Ranger. It calls
for
a few 20 mfd 400v caps. Ok....I can't find any 20mfd 400v
caps
that aren't electrolytics.>>

I'll bet you can't. It has to be an electrolytic.

The original parts are C51,55, and 71, and they are paper

tubular

caps. Can I use electrolytics in their place?>>

You certainly would have to use electrolytics, but I wouldn't know why you'd want to change the value so drastically. You have to watch these mods you see Dan. This one especially looks like someone is using ridiculous values, probably in attempt to make themselves feel like they accomplished something really useful or meaningful.

Johnson wasn't so stupid or cheap to miss the needed capacitance size by a factor of 200 times.

For example C55 has a load resistance of well over 470k, and a source resistance of 47k. The original .1uF cap's reactance at 300Hz is 5.3k ohms. Sounds super good to me. I can't imagine needing more capacitance. C51 is even less likely to need increased.

The Rangers main shortfall is the size of a few coupling caps, primarily C52. C57 might be bumped up a tad also. It also has a resistor in the VFO that needs changed.

I'm always puzzled by mods that make no sense at all. There is silly stuff that make no sense at all, like adding a diode in the modulator secondary to "limit negative peaks". Half the mods create a larger problem than they fix, but I guess on the positive they keep people busy and out of bars.

If you really want to do it, use electrolytics but C52 and 57 darned sure don't need to be 200 times larger. That's just asinine. I'm not sure about adding a cap on the modulator screen (C71) so I will withhold comment on it, but my gut feeling is it isn't needed either.

73 Tom

Message-Id: <6.2.3.4.0.20051223200105.01b9bfe8@mail.alltel.net>
Date: Fri, 23 Dec 2005 20:03:00 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: Dan wright <dw73454@alltel.net>
Subject: RE: Newbie question from and OF
Cc: "Boatanchors" <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: multipart/mixed; x-avg-checked=avg-ok-60301402;
boundary="=====AVGMAIL-43ACB8865034====="

--=====AVGMAIL-43ACB8865034=====

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

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*      ---REMAINDER OF MESSAGE TRUNCATED---      *
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* * * * *
```

--=====AVGMAIL-43ACB8865034=====--

Message-ID: <002d01c6082c\$508deea0\$0302a8c0@Belkin>
From: "Brian Clarke" <brianclarke01@optusnet.com.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Newbie question from and OF
Date: Sat, 24 Dec 2005 12:49:43 +1100
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_002A_01C60888.83707E80"

This is a multi-part message in MIME format.

-----_NextPart_000_002A_01C60888.83707E80
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi Dan,

Are you sure that you read the label of the caps correctly? At that =
Voltage,=20
non-electrolytics may appear to be labelled 20 mF - or it may be that =
you=20
are slightly misreading - could it be 20 mmF?

Either way, I have some 500 uF, 500 V non-electrolytics, but they are=20
about 6" x 6" x 3". very low ESR, too, if you are interested.

73 de Brian, VK2GCE.

In a message dated 12/23/05 1:37:46 PM, dw73454@alltel.net writes:

> I am trying to do an audio mod on my EFJ Ranger. It calls for

> a few 20 mfd 400v caps. Ok....I can't find any 20mfd 400v caps
> that aren't electrolytics.

-----=_NextPart_000_002A_01C60888.83707E80

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

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* * * * *
```

-----=_NextPart_000_002A_01C60888.83707E80--

Message-ID: <004801c6083f\$76247360\$7ce47443@KB6NAX>

From: "Arden Allen" <gumbear@pacbell.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: cheap Chinese tubes & more

Date: Fri, 23 Dec 2005 19:50:02 -0800

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

There is NO protection from overseas defrauders. Even Judge Judy can't help!

Arden Allen

KB6NAX

Message-ID: <004901c6083f\$76c7df50\$7ce47443@KB6NAX>

From: "Arden Allen" <gumbear@pacbell.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Newbie question from and OF

Date: Fri, 23 Dec 2005 20:06:40 -0800

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Tom has it nailed down tight. Many mods being passed around are superfluous and even ridiculous. About as silly as giant caterpillar wheels on a Toyota pickup truck. In past years I've seen not too few Johnson Rangers ruined by

CB'er's mods. Many have been rescued by hams but many were just too far gone. Try to find out what the PURPOSE of each component value change or addition is supposed to do before trying it. If you don't see a usefull change in performance, put the right part back in.

Someone recently asked me if replacing all the transistors and capacitors in a hi-fi receiver would improve its performance. That's about as nuts as it gets. That makes as much sense as replacing all of the 100 watt bulbs in your house with new 100 watt bulbs to improve your reading comprehension. Replace them all with 200 watt bulbs and see which one causes your house to burn down!

Arden Allen
KB6NAX

Message-ID: <43AD0660.3010502@acm.org>
Date: Sat, 24 Dec 2005 00:27:12 -0800
From: Phil Barnes-Roberts WA6DZS <pbarnrob@acm.org>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BOATANCHORS#3871 - Finding the Bulb
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Old Tube Radios wrote:

> Subject: find the bulb...
> From: stuck in 50s <polepeeg@ba-watch.org>
> Date: Wed, 21 Dec 2005 17:58:29 -0500 (EST)
> To: Old Tube Radios <boatanchors@theporch.com>
>
>
> find the bulb in the Christmas string that's lost it's filament &
> the shorting gridley's failed.
>
> There was a gizz a couple of years back that purported to do it. But
> it cost same as several light strings. Hence it was gone the next
> year.
>

{snip}

Electronic Design, Nov.17, 1997 had an Idea for Design that did this trick. See it at <
<http://www.elecdesign.com/Articles/Index.cfm?ArticleID=6351> >. This version rectifies some AC to power a single XOR gate of a high-speed CMOS quad chip, but a simplified version (powered, what else, by two AA batteries) is what got tossed in our Christmas light box. The 1Megohm resistors from the inputs are spread North and South, with their full leads (a couple inches each.)

The article was followed-up 1 May 1998 by "Improvements on the Circuit-break Locator" supposedly found at <
<http://www.elecdesign.com/Articles/Index.cfm?ArticleID=6298> > - which I built at the time. A 74HC86, a couple of 1Megohm resistors, an LED, maybe a bypass cap IIRC, and a double-AA battery holder. No gimmick capacitors or finicky adjustment. When the field sensed by the two resistor lead "antennas" is larger than that across a conducting bulb, the LED comes on, since those are 180o out-of-phase.

Unfortunately, the second article actually in the magazine's archive is a duplicate of Article 6297 (Crystal Filter for Pure Signals) apparently in the same issue. I hope the correct one hasn't been lost!
(Try back after the Holidays, maybe it will be corrected by then.)

The whole thing is quite simple, and it works!

--

vy 73, WA6DZS Phil Barnes-Roberts <mailto:wa6dzs at arrl dot net >
(Kitbuilder, Designer, Cybersmith) Voice: 626-791-0851h
There are No Passengers on SpaceShip Earth;
we are All Crew, and need to start acting like it.

From: "Dr. Barry L. Ornitz" <ornitz@charter.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: find the bulb...
Date: Sat, 24 Dec 2005 04:05:11 -0500
Message-ID: <002901c60869\$26ccc4a0\$c0e9bf42@barry1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

While the entire unit might be isolated from ground, remember the two input sensor plates should not be connected to floating op-amp inputs. Input bias currents, however small, have to have somewhere to go.

A good time domain reflectometer connected to the end of the string should locate the blown bulb quite easily. The twisted pair makes a transmission line. Just count up the impedance discontinuities from the series bulbs to where the line opens!

73, Barry WA4VZQ Ornitz@tricon.net

>> The real solution would be an op-amp floating from ground in a
>> plastic case with the input differential plates and an output indicator
>> like an LED or speaker.

> Tom, I think you are close to a practical solution. If the differential
> plate sensor you describe is enclosed in a shield, AND differentially
> balanced with respect to the shield, external field influence would be
> cancelled and only the electrostatic field sensed between the plates would
> be detected when the device is placed over a bulb. Good thinking!

> Arden Allen KB6NAX

Message-Id: <6.2.3.4.0.20051224052859.01b935b0@mail.alltel.net>
Date: Sat, 24 Dec 2005 05:40:01 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: Dan wright <dw73454@alltel.net>
Subject: Question about caps....and GREAT responses!!
Mime-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=iso-8859-1; format=flowed; x-avg-checked=avg-ok-1254446E

Man!

I have had so many quality responses to my question about replacing "alleged" non-electrolytics with electrolytics....too many to respond to individually....too bad because I always like to respond to every e-mail I get.

To summarize:

I didn't make it clear enough in my original post. The mod I am CONSIDERING is a MOD, the caps that are in there already are plate bypass caps and they are what EFJ put in..... .1mfd. The MOD I am CONSIDERING calls for replacing them with 20 mfd units. It did not appear that the original caps were electrolytics and my question was, can I replace a non-electrolytic with an electrolytic. Turns out that the caps-in-question were electrolytics, EFJ just didn't call them out as such.....(8-<

I have learned what I thought to be true in the first place, that is, that 20mfd is almost certainly an electrolytic value.

I have been urged to check into just exactly WHAT the mod does, before charging into the project....great advice!

I have learned that this list is STILL a great place to find information and guidance from folks who really know what they are doing and are more than happy to help out.

I have been a member of the BA list since not too long after it's inception in the 90's. I have not been too active in the last several years, and upon my "return" I am so pleased to see that there is still a great bunch of folks here.

Thanks to all!

73 de Dan -- WA=D8JRD ..

Message-ID: <43AD2D6D.6000403@hawaii.rr.com>
Date: Sat, 24 Dec 2005 01:13:49 -1000
From: Raymond Cote <rjcote@hawaii.rr.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: find the bulb...
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

So, Barry, the solution is to buy a TDR instead of trashing the original string and purchasing a new light string.....

lol

he he he

Dr. Barry L. Ornitz wrote:

>While the entire unit might be isolated from ground, remember the two input
>sensor plates should not be connected to floating op-amp inputs. Input bias
>currents, however small, have to have somewhere to go.

>

>A good time domain reflectometer connected to the end of the string should
>locate the blown bulb quite easily. The twisted pair makes a transmission
>line. Just count up the impedance discontinuities from the series bulbs to
>where the line opens!

>

>

Content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="----_=_NextPart_001_01C60892.558A2229"

Subject: RE: Question about caps....and GREAT responses!!
Date: Sat, 24 Dec 2005 09:00:02 -0500
Message-ID: <5DB55C95EDBFFA4383CE672594D7E0D201984CE4@EXCHANGE.usn.root.ent>
From: "Comarow, Avery" <ACOMAROW@usnews.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Boatanchors" <boatanchors@theporch.com>

This is a multi-part message in MIME format.

-----=_NextPart_001_01C60892.558A2229
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Dan,

=20

Welcome back to the list. Never once have I asked a question that didn't =
get at least one useful answer. Ain't it great?

=20

My 2 cents is that a list with a strong focus, monitored and with a =
nominal fee, keeps away 90 percent of the riffraff that contaminate =
public newsgroups.

=20

Avery W3AVE

From: owner-boatanchors@theporch.com on behalf of Dan wright
Sent: Sat 12/24/2005 6:40 AM
To: Old Tube Radios
Subject: Question about caps....and GREAT responses!!

Man!

I have had so many quality responses to my question about
replacing "alleged" non-electrolytics with electrolytics....too many
to respond to individually....too bad because I always like to
respond to every e-mail I get.

To summarize:

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CONSIDERING is a MOD, the caps that are in there already are plate
bypass caps and they are what EFJ put in..... .1mfd. The MOD
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-----=_NextPart_001_01C60892.558A2229
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

-----=_NextPart_001_01C60892.558A2229--

End of BOATANCHORS Digest 3872
